**GOVERNMENT OF ANDHRA PRADESH**
**ABSTRACT**

Higher Education- Mandatory Implementation of Energy Efficiency Measures in the Universities and Affiliated Colleges & Hostels of Higher Education Dept - Orders – Issued.

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**HIGHER EDUCATION (UE) DEPARTMENT**

**G.O.RT.No. 6** **Dated: 04-01-2019**

**Read the following:**

1) GO.Ms.No:18, Energy,Infrastructure & Investment (POWER.II.2) Dept, Dated:01.06.2016
2. Govt. Letter. No. Prl.Secy/Energy I&I/ GOvt.Bldgs-D.NO/ 2018, Energy, I&I Dept., Dated:13.06.2018.
3. From the Secretary, APSCHE, Lr.No. APSCHE/Secy/Energy/ 2018, Dated: 24.10.2018.

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**ORDER:**

In the reference 2nd read above, Energy, I&I Department has stated that, Andhra Pradesh State Energy Development Corporation (APSEEDCO), constituted as a joint venture of AP Power Utilities has been promoting, coordinating and implementing energy efficiency projects for various Sectors in the state, besides obtaining technical assistance from Bureau of energy Efficiency through the State Energy Conservation Mission (SECM). APSEEDCO has also entered into MOU with the Energy Resources Institute (TERI) and Energy Efficiency Services Limited (EESL), Govt of India to accelerate the Energy Efficiency drive in the state. In its continued pursuit of making rapid strides in energy efficiency in Andhra Pradesh, proposes to implement Energy efficiency measures in all the State Universities and affiliated Colleges (Arts/Science / Engineering / Technology /Under Graduate conventional courses /Libraries/ Laboratories / other buildings and Hostels under the umbrella of Andhra Pradesh State Council of Higher Education (APSCHE) in all 13 districts of the state in a phased manner. That there is no upfront investment from the Universities/Institutions under the purview of APSCHE and it is the Energy Efficiency Services Ltd (EESL), Govt. of India, New Delhi will bear the entire cost of investment inclusive of Repair & Maintenance. The said costs will be recovered by EESL through monthly or quarterly instalments from the amount accrued through **energy savings** over a period of three years. The cost towards operation and maintenance of the new equipment and extension of warranty shall be borne by EESL for a period of 3 years. The equipment wise indicative savings due to retrofitting of Energy Efficient Appliances was also furnished as follows.

| Existing Appliance | Wattage | Proposed appliance | Wattage | Energy savings |
|---|---|---|---|---|
| 60 watts Filament lamp | 60 watts | LED Bulb | 9watts | 85% |
| Tube Light with copper choke | 52 watts | LED tube | 20 watts | 61% |
| Tube light with electronic choke | 42 watts | LED tube | 20 watts | 52% |
| Compact Fluorescent Lamp | 15 watts | LED type | 9 watts | 40% |
| Ceiling Fan 48 inch | 75 watts | 5 star rated Fan | 50 watts | 33% |
| Sodium Vapour lamp | 75 watts | LED type | 24 watts | 68% |
| HPSV lamp | 150 watts | LED type | 75 watts | 50% |
| Existing Appliance | Wattage | Proposed appliance | Wattage | Energy savings |
| Dome Light | 40 watts | LED type | 20 watts | 50% |
| Metal halide lamp | 400 watts | LED type | 3x75 watts | 56% |
| 1 Ton Split Air Conditioner | 984 watts | 5 star rated AC | 368 watts | 52% |
| 1.5 Ton Split Air Conditioner | 1900 watts | 5 star rated AC | 1050 watts | 44% |
| Old Energy Inefficient pumpset(5 HP) | 4600 Watts | 5 Star rated | 3680 watts | 20% |

2. It was further stated by Energy, I&I Department that the APSEEDCO shall undertake over all coordination, project monitoring and ensure smooth implementation of the project and support APSCHE throughout the project period of three years for which APSEEDCO will be paid PMC charges @5% of the project cost. After satisfying with the scheme proposed by APSEEDCO and M/s. Energy Efficiency Services Limited (EESL), APSCHE has agreed for implementation of the project in the Universities & Affiliated Colleges and connected Hostels in all the Districts of A.P. Based on the mutual agreement between Energy Efficiency Services Limited (EESL) and APSEEDCO, the investment will be recovered through monthly or quarterly instalments which result from energy savings over a mutually agreed project period of 3 years. After the repayment is over, the entire savings which accrue thereon would continue to result in lower energy consumption and hence lower electricity bills to the Government exchequer.

3. Government, after careful examination of the matter, hereby, accord permission to APSCHE for entrusting the APSEEDCO to implement energy efficiency measures in the Universities and Affiliated colleges by taking one or two districts initially on pilot basis and subsequently roll the same to other Districts.

4. The Secretary, Andhra Pradesh State Council of Higher Education is directed to select one or two districts initially on pilot basis for implementing energy efficiency measures and take response/result subsequently roll the same to other Districts.

5. The Secretary, APSCHE shall take the necessary action in the matter accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

K. DAMAYANTHI
PRINCIPAL SECRETARY TO GOVERNMENT

To
The Secretary, APSCHE, Tadepalli
P.S to Prl. Secretary to Government, Energy, I&I Dept.,
**Copy to**
Commissioner of Collegiate Education,
Commissioner of Technical Education,
The PS to Prl.H.E. Dept, Velagapudi
The OSD to Secretary to CM, CMO,
The OSD to M(HRD), Velagapudi.
Sf/Sc

// FORWARDED :: BY ORDER//

SECTION OFFICER